

L Number	Hits	Search Text	DB	Time stamp
13	14	andrea.in. and omnidirectional	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/27 16:28
-	29	"bernardi, robert".in. "burson, steven".in. "gollbach, lawrence".in. "woo, allen".in. "bobisuthi, james".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 10:20
-	7	("3057960" "3109066" "5511128" "5586191" "5978490" "6005953" "6272229").PN.	USPAT	2004/05/28 12:58
-	10	("4354059" "4393275" "4412097" "4589136" "4741038" "4752961" "4870690" "4941187" "5214709" "5303307").PN.	USPAT	2004/05/28 13:03
-	4	("5208864" "5414776" "5602962" "5673327").PN.	USPAT	2004/05/28 13:12
-	1411669	envelope integrat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 13:23
-	126	381/92.ccls. and (envelope integrat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 18:16
-	171614	envelope	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 13:24
-	28	381/92.ccls. and envelope	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 13:49
-	12598	envelope near2 detect\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 13:24
-	3	381/92.ccls. and (envelope near2 detect\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 13:31
-	988296	averag\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 13:31
-	103	381/92.ccls. and averag\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 13:32
-	3723302	amplitude level magnitude volume	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 13:32
-	112087	averag\$3 with (amplitude level magnitude volume)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 13:33
-	27	381/92.ccls. and (averag\$3 with (amplitude level magnitude volume))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:13

-	3525	direction\$4 near3 (microphone input near2 transducer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:14
-	43	(envelope near2 detect\$3) and (direction\$4 near3 (microphone input near2 transducer))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:28
-	21636	omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:36
-	4093212	uni adj direction\$4 unidirection\$4 direction\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:31
-	4104026	(omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) ith (uni adj direction\$4 unidirection\$4 direction\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:32
-	119	cardiod	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:33
-	1221	cardiod cardioid	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:33
-	4093486	uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:35
-	13455	(omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) with ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 16:40
-	2231591	switch\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:36
-	466	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) with ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid))) with switch\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 16:40
-	106060	microphon\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:37
-	101	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) with ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid))) with switch\$3) and microphon\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:46
-	108	381/94.7.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:20
-	1278574	integrat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:47

-	107	381/92.ccls. and integrat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:48
-	99705	absolute adj value	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:48
-	307423	absolute adj value rectif\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 15:08
-	18	381/92.ccls. and integrat\$4 and (absolute adj value rectif\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:57
-	254120	(proper\$2 correct\$2) near2 position\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 15:10
-	189	((proper\$2 correct\$2) near2 position\$3) with microphon\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:58
-	14	((proper\$2 correct\$2) near2 position\$3) with microphon\$3) and LED	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:58
-	6	4777649.URPN.	USPAT	2004/05/28 15:00
-	8176	averag\$3 with (absolute adj value rectif\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 15:09
-	450	(averag\$3 with (absolute adj value rectif\$4)) and microphon\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 15:09
-	567	((proper\$2 correct\$2) near2 position\$3) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 15:11
-	302	((proper\$2 correct\$2) near2 position\$3) and 381/\$.ccls. and microphon\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 15:11
-	31054	((proper\$2 correct\$2) near2 position\$3) with 96and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 15:11
-	0	((proper\$2 correct\$2) near2 position\$3) with (averag\$3 with (absolute adj value rectif\$4)) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 15:12
-	80	((proper\$2 correct\$2) near2 position\$3) with microphon\$3 and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 15:29
-	3	4445229.URPN.	USPAT	2004/05/28 15:14
-	6	4777649.URPN.	USPAT	2004/05/28 15:23

-	17	("3109893" "4644107" "4777649" "4901354" "5007081" "5224151" "5255341" "5335276" "5337353" "5396443" "5657380" "5712911" "5806036" "5881377" "5890123" "6188986" "6243683").PN.	USPAT	2004/05/28 15:24
-	203	379/441.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 15:29
-	78	379/441.ccls. and position\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 15:30
-	12	379/441.ccls. and position\$4 with indicat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 16:01
-	376	379/396.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 16:01
-	159	379/396.ccls. and (LED position\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 16:02
-	105	379/396.ccls. and (position\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 16:02
-	3	("5528663" "5950139" "6023779").PN.	USPAT	2004/05/28 16:05
-	252	microphone near2 align\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 16:35
-	6	("1892644" "1892646" "2836656" "3057960" "3794766" "4061041").PN.	USPAT	2004/06/01 12:30
-	10231	"david, e".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/01 12:33
-	13681	"david, e".in. @ad<19620101	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/01 12:34
-	3	"david, e".in. and @ad<19620101	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/01 12:35
-	1	859684.apn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/01 12:35
-	0	"david, jr., e".in. and @ad<19620101	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/01 12:36
-	1	"david, jr".in. and @ad<19620101	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/01 12:36

-	1	"david jr edward".ln. and @ad<19620101	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/01 15:03
-	9	3057960.URPN.	USPAT	2004/06/01 12:39
-	7	("3057960" "3109066" "5511128" "5586191" "5978490" "6005953" "6272229").PN.	USPAT	2004/06/01 12:40
-	7	("3057960" "3109066" "5511128" "5586191" "5978490" "6005953" "6272229").PN.	USPAT	2004/06/01 14:31
-	2	de-19818611\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/01 15:57
-	2	wo-9846043\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/01 15:57
-	4	4236040.URPN.	USPAT	2004/06/01 16:24
-	7	("5051964" "5465302" "5715319" "5778083" "5787183" "6243471" "6317501").PN.	USPAT	2004/06/01 17:03
-	1	6148077.URPN.	USPAT	2004/06/02 10:06
-	3	("5528663" "5950139" "6023779").PN.	USPAT	2004/06/02 10:07
-	6	4777649.URPN.	USPAT	2004/06/02 14:02
-	375	381/92.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 16:16
-	391	microphone near2 (orient\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 16:36
-	116	microphone near2 (orient\$5) with (\$4speaker source mouth nose)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 16:38
-	5	("5001746" "5134649" "5995599" "6102856" "6219408").PN.	USPAT	2004/06/02 16:41
-	8	("2184247" "2301744" "2305599" "2396222" "3403223" "3573399" "3876947" "3881177").PN.	USPAT	2004/06/02 16:58
-	4	("4006310" "5473701" "5586191" "5740256").PN.	USPAT	2004/06/02 17:08
-	10	("4354059" "4393275" "4412097" "4589136" "4741038" "4752961" "4870690" "4941187" "5214709" "5303307").PN.	USPAT	2004/06/02 17:08
-	4	("5208864" "5414776" "5602962" "5673327").PN.	USPAT	2004/06/02 17:12
-	7	("3057960" "3109066" "5511128" "5586191" "5978490" "6005953" "6272229").PN.	USPAT	2004/06/02 17:15
-	7	("4354059" "4472742" "4550343" "4764817" "4862278" "5062010" "5193117").PN.	USPAT	2004/06/02 17:18
-	204	381/122.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:20
-	7795	381/\$.ccls. and direction\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:31

-	14	elko.in. and omnidirectional	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:32
-	21664	omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 15:49
-	139821	phase near2 shift\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:37
-	2289	(omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) and (phase near2 shift\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:37
-	242221	noise adj (attenuat\$4 cancel\$3 cancell\$5) directional	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:38
-	246323	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) and (phase near2 shift\$3)) abd (noise adj (attenuat\$4 cancel\$3 cancell\$5) directional)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:38
-	1719	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) and (phase near2 shift\$3)) and (noise adj (attenuat\$4 cancel\$3 cancell\$5) directional)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:38
-	1701389	subtract\$4 difference	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:38
-	1270	((((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) and (phase near2 shift\$3)) and (noise adj (attenuat\$4 cancel\$3 cancell\$5) directional)) and (subtract\$4 difference)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:38
-	31070	381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:39
-	121	(((((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) and (phase near2 shift\$3)) and (noise adj (attenuat\$4 cancel\$3 cancell\$5) directional)) and (subtract\$4 difference)) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:43
-	117230	microphon\$4 input near2 transduc\$34	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:43
-	93	(((((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) and (phase near2 shift\$3)) and (noise adj (attenuat\$4 cancel\$3 cancell\$5) directional)) and (subtract\$4 difference)) and 381/\$.ccls.) and (microphon\$4 input near2 transduc\$34)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:45
-	1745	(multi multiple) adj ((level near2 compar\$4) (threshold threshhold thresh adj hold))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:47

-	0	(((((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) and (phase near2 shift\$3)) and (noise adj (attenuat\$4 cancel\$3 cancel\$5) directional)) and (subtract\$4 difference)) and 381/\$.ccls.) and (microphon\$4 input near2 transduc\$34)) and ((multi multiple) adj ((level near2 compar\$4) (threshold threshold thresh adj hold)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:47
-	3	((multi multiple) adj ((level near2 compar\$4) (threshold threshold thresh adj hold))) and ((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) and (phase near2 shift\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:49
-	9	((multi multiple) adj ((level near2 compar\$4) (threshold threshold thresh adj hold))) and (omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:59
-	2	4,066,842.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/04 10:19
-	14	4066842.URPN.	USPAT	2004/06/02 18:00
-	3	("4025894" "4485484" "4536887").PN.	USPAT	2004/06/02 18:02
-	2	("2982942" "4466117").PN.	USPAT	2004/06/02 18:05
-	2	("2982942" "4466117").PN.	USPAT	2004/06/02 18:05
-	19	4712244.URPN.	USPAT	2004/06/02 18:05
-	9	("4308425" "4466117" "4696043" "4703506" "4712244" "4742548" "5029215" "5058170" "5121426").PN.	USPAT	2004/06/02 18:11
-	4	5463694.URPN.	USPAT	2004/06/02 18:13
-	18	5226087.URPN.	USPAT	2004/06/04 09:18
-	19	("3571514" "3770911" "3798390" "3836732" "3875349" "3946168" "3975599" "4051330" "4142072" "4456795" "4622440" "4712244" "4723293" "4751738" "5029215" "5214709" "5226087" "5289544" "5524056").PN.	USPAT	2004/06/04 13:25
-	15	3975599.URPN.	USPAT	2004/06/04 14:10
-	10	5673325.URPN.	USPAT	2004/06/04 14:38
-	27	"andrea, douglas".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/04 14:58
-	336	directional same handset	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/04 14:58
-	60	(omni non) adj directional same handset	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/04 14:58
-	159177	(shift\$3 adjust\$3) near2 phase	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/04 14:59
-	3	((omni non) adj directional same handset) and ((shift\$3 adjust\$3) near2 phase)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/04 14:59
-	24625	(shift\$3 adjust\$3) near2 phase with second	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/04 15:00

-	7	(directional same handset) and ((shift\$3 adjust\$3) near2 phase with second)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/04 15:00
-	3	("3170046" "4672674" "5138664").PN.	USPAT	2004/06/04 15:06
-	35	4672674.URPN.	USPAT	2004/06/04 15:08
-	26	5381473.URPN.	USPAT	2004/06/04 15:09
-	17	5381473.URPN. and phase	USPAT	2004/06/04 15:20
-	7	("4584702" "4773091" "4850016" "5239578" "5260998" "5341420" "5381473").PN.	USPAT	2004/06/04 15:14
-	5	5473684.URPN.	USPAT	2004/06/04 15:15
-	4	("5381473" "5452361" "5473684" "5473702").PN.	USPAT	2004/06/04 15:16
-	0	direction same hadnset	USPAT	2004/06/04 15:20
-	874	direction same handset	USPAT	2004/06/04 15:26
-	1	"4354059".PN.	USPAT	2004/06/04 15:21
-	16	4354059.URPN.	USPAT	2004/06/04 15:22
-	9	("4354059" "4393275" "4412097" "4589136" "4741038" "4752961" "4870690" "4941187" "5214709").PN.	USPAT	2004/06/04 15:25
-	19	directional adj microphone same handset	USPAT	2004/06/04 15:48
-	19	("3571514" "3770911" "3798390" "3836732" "3875349" "3946168" "3975599" "4051330" "4142072" "4456795" "4622440" "4712244" "4723293" "4751738" "5029215" "5214709" "5226087" "5289544" "5524056").PN.	USPAT	2004/06/04 15:46
-	17	3770911.URPN.	USPAT	2004/06/04 15:47
-	24	("3770911" "3798390" "3835263" "3836732" "3870820" "3876843" "3909556" "4051330" "4142072" "4174469" "4456795" "4629833" "4852177" "5033090" "5068901" "5101435" "5201006" "5222050" "5319717" "5524056" "5535282" "5579398" "6122389" "6151399").PN.	USPAT	2004/06/04 15:48
-	2213	directional with (non adj directional nondirectional)	USPAT	2004/06/04 15:50
-	33450	automatic\$4 near2 switch\$3	USPAT	2004/06/04 15:50
-	153	directional with (nondirectional)	USPAT	2004/06/04 15:50
-	4	(automatic\$4 near2 switch\$3) and (directional with (nondirectional))	USPAT	2004/06/04 15:52
-	60	(directional with (non adj directional nondirectional)) and (automatic\$4 near2 switch\$3)	USPAT	2004/06/04 15:52
-	3	(directional with (non adj directional nondirectional)) same (automatic\$4 near2 switch\$3)	USPAT	2004/06/04 15:56
-	129	381/313.ccls.	USPAT	2004/06/04 15:56
-	6	(automatic\$4 near2 switch\$3) and 381/313.ccls.	USPAT	2004/06/04 16:31
-	3	6389142.URPN.	USPAT	2004/06/04 16:25
-	12	("4399327" "4703506" "5033090" "5121426" "5128566" "5214709" "5463694" "5483599" "5524056" "5757933" "6339647" "6389142").PN.	USPAT	2004/06/04 16:26
-	2	("5305004" "5946402").PN.	USPAT	2004/06/04 16:28
-	0	ep-820210-\$.did.	USPAT	2004/06/04 16:31
-	0	ep-0820210-\$.did.	USPAT	2004/06/04 16:36
-	95	adaptive adj beam adj form\$3	USPAT	2004/06/04 16:39
-	1	5539859.pn.	USPAT	2004/06/04 18:00
-	13	("4112430" "4333170" "4653102" "4912767" "4918732" "4932063" "5208864" "5212764" "5214707" "5293450" "5319736" "5390280" "5400409").PN.	USPAT	2004/06/04 16:51

-	13	("4112430" "4333170" "4653102" "4912767" "4918732" "4932063" "5208864" "5212764" "5214707" "5293450" "5319736" "5390280" "5400409").PN.	USPAT	2004/06/04 17:18
-	5	("4594695" "4625083" "4630305" "4649505" "4737976").PN.	USPAT	2004/06/04 17:25
-	9	5539859.URPN.	USPAT	2004/06/04 17:26
-	19	("4630305" "5319736" "5335312" "5418857" "5473701" "5475761" "5539859" "5602962" "5610991" "5668747" "5680393" "5740256" "5742927" "5839101" "5903819" "5907624" "5953381" "5974373" "6175602").PN.	USPAT USPAT	2004/06/04 17:29
-	19	("4521908" "4653102" "4703506" "4712244" "4712247" "4720712" "4741038" "4802227" "5193117" "5226087" "5233664" "5243660" "5260920" "5291556" "5301363" "5327143" "5347586" "5367506" "5581036").PN.	USPAT	2004/06/04 17:52
-	13	("4112430" "4333170" "4653102" "4912767" "4918732" "4932063" "5208864" "5212764" "5214707" "5293450" "5319736" "5390280" "5400409").PN.	USPAT	2004/06/04 17:59
-	21410	angle adj incidence	USPAT	2004/06/04 18:01
-	198969	compar\$4 with (level amplitude power)	USPAT	2004/06/04 18:01
-	2119	(angle adj incidence) and (compar\$4 with (level amplitude power))	USPAT	2004/06/04 18:01
-	42034	microphone input adj transducer	USPAT	2004/06/04 18:01
-	76	((angle adj incidence) and (compar\$4 with (level amplitude power))) and (microphone input adj transducer)	USPAT	2004/06/04 18:24
-	2	("4489442" "4658425").PN.	USPAT	2004/06/04 18:06
-	27	4489442.URPN.	USPAT	2004/06/04 18:06
-	5	("3940575" "3992584" "4489442" "4567608" "4817168").PN.	USPAT	2004/06/04 18:12
-	8	("5400409" "5539859" "5581620" "5627799" "5754665" "5825898" "5917921" "6178248").PN.	USPAT	2004/06/04 18:17
-	180405	(angle direction) with (source input)	USPAT	2004/06/04 18:24
-	952	(compar\$4 with (level amplitude power)) and (microphone input adj transducer) and ((angle direction) with (source input))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/04 18:25
-	31090	381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/04 18:25
-	162	((compar\$4 with (level amplitude power)) and (microphone input adj transducer) and ((angle direction) with (source input))) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 13:17
-	4	("5572591" "5680467" "5757933" "6539096").PN.	USPAT	2004/06/04 18:26
-	16014	difference with (first and second front and back) with (levels volume amplitude)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/04 18:34
-	2	("4489442" "4658425").PN.	USPAT	2004/06/04 18:42
-	19	4752961.URPN.	USPAT	2004/06/05 13:10
-	27	((compar\$4 with (level amplitude power)) with ((angle direction) with (source input))) and (microphone input adj transducer) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 13:18
-	4	("4006310" "5473701" "5586191" "5740256").PN.	USPAT	2004/06/05 13:29

-	6	("4485484" "4536887" "4653102" "4802227" "4956867" "5267320").PN.	USPAT	2004/06/05 13:45
-	7	("3440350" "3662108" "4063031" "4485484" "4536887" "4559642" "4589137").PN.	USPAT	2004/06/05 13:45
-	19	5473701.URPN.	USPAT	2004/06/05 13:46
-	9	("4594695" "5418857" "5473701" "5475761" "5668747" "5680393" "5740256" "5742927" "5903819").PN.	USPAT	2004/06/05 13:47
-	16	("4223400" "4334740" "4354059" "4466117" "4703506" "5029215" "5193117" "5206910" "5214709" "5226087" "5303307" "5400409" "5471538" "5473701" "5477270" "5483599").PN.	USPAT	2004/06/05 13:51
-	1	"4354059".PN.	USPAT	2004/06/05 14:04
-	18	5226087.URPN.	USPAT	2004/06/05 14:04
-	9	5539859.URPN.	USPAT	2004/06/05 14:22
-	560	375/349.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 14:26
-	560	375/349.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 14:25
-	187	375/349.ccls. and (direction angle)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 14:26
-	28	375/349.ccls. and (direction angle) and (compar\$3 with (level amplitude volume))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 14:29
-	376	381/92.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 14:36
-	2	6193134.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 14:37
-	2	6193234.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 14:37
-	2	6192134.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 14:39
-	2	5475195.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 14:39
-	2	5471195.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 14:39
-	267	381/92.ccls. and (angle direction)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 15:15
-	7	("4584702" "4773091" "4850016" "5239578" "5260998" "5341420" "5381473").PN.	USPAT	2004/06/05 14:57

-	12	5341420.URPN.	USPAT	2004/06/05 14:58
-	16	"roeck, hans-ueli".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 15:22
-	12	"hou, zezhang".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 15:28
-	23207	(maximum maximiz\$3) near2 difference	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 15:30
-	580592	delay	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 15:30
-	4401	((maximum maximiz\$3) near2 difference) and delay	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 15:30
-	21686	omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 15:31
-	53	((((maximum maximiz\$3) near2 difference) and delay) and (omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 15:33
-	116403	microphon\$3 input near2 transduc\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 15:33
-	15	(((((maximum maximiz\$3) near2 difference) and delay) and (omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4)) and (microphon\$3 input near2 transduc\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 16:11
-	8942	compar\$3 with difference with (threshold threshold thresh adj hold)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 16:12
-	2	(compar\$3 with difference with (threshold threshold thresh adj hold)) and 381/92.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 13:17
-	54	(compar\$3 with difference with (threshold threshold thresh adj hold)) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 16:13
-	26	(compar\$3 with difference with (threshold threshold thresh adj hold)) and 381/\$.ccls. and microphon\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 16:33
-	2	"20010028718"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/05 16:33
-	0	(compar\$3 with difference with (reference)) and 381/92.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 13:17

-	81	(compar\$3 with difference with (reference)) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 13:17
-	31	(compar\$3 with difference with (reference)) and 381/\$.ccls. and (direction\$4 angle)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 13:18
-	3	("5727073" "5953380" "5978824").PN.	USPAT	2004/06/06 13:20
-	376	381/92.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 13:53
-	696	(front forward) with more with (back rear) and (microphon\$3 input near2 transducer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 13:54
-	126	((front forward) with more with (back rear) and (microphon\$3 input near2 transducer)) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 13:54
-	12	((front forward) with more with (back rear) and (microphon\$3 input near2 transducer)) and (381/92.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 13:54
-	19	4752961.URPN.	USPAT	2004/06/06 14:10
-	9	determin\$5 with desir\$4 with (off adj axis offaxis)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:15
-	42	determin\$5 with source with (off adj axis offaxis)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:15
-	114944	microphon\$3 input near2 transducer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:15
-	117039	microphon\$3 input near2 transducer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:15
-	1	(determin\$5 with source with (off adj axis offaxis)) and (microphon\$3 input near2 transducer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:26
-	108	381/94.7.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:26
-	62	381/94.7.ccls. and (phase angle)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:41
-	22	("4672674" "4908855" "4912767" "5121426" "5131047" "5148471" "5201006" "5239578" "5251263" "5319736" "5323458" "5335276" "5343521" "5381473" "5406622" "5444786" "5452361" "5471538" "5473702" "5481615" "5493616" "5526421").PN.	USPAT	2004/06/06 14:35
-	35	4672674.URPN.	USPAT	2004/06/06 14:39

-	62385	((maximiz\$4 maximum) with difference	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:42
-	1564	((microphon\$3 input near2 transducer) and ((maximiz\$4 maximum) with difference)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:42
-	1048	((microphon\$3 input near2 transducer) and ((maximiz\$4 maximum) with difference)) and (angle direction)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:43
-	651	((microphon\$3 input near2 transducer) and ((maximiz\$4 maximum) with difference)) and (angle direction) and phase	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:43
-	239	((microphon\$3 input near2 transducer) and ((maximiz\$4 maximum) with difference)) and (angle direction) and phase) and (381/\$.ccls. telephon\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:49
-	27816	angular adj orientat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:49
-	480	((microphon\$3 input near2 transducer) and (angular adj orientat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:50
-	443	((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and (first and second front and back forward and rear)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 14:50
-	26	((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and (first and second front and back forward and rear)) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 15:10
-	2	("5303307" "5511130").PN.	USPAT	2004/06/06 15:02
-	2	5651074.URPN.	USPAT	2004/06/06 15:02
-	2	5473684.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 15:06
-	52	(angular adj orientat\$4) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 15:38
-	26	(angular adj orientat\$4) and 381/\$.ccls. not (((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and (first and second front and back forward and rear)) and 381/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 15:11
-	7124	(user\$2 near2 (mouth lip))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 15:12
-	605	(user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 15:12
-	63	((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 15:35

-	376	381/92.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 15:36
-	50	381/92.ccls. and (mouth lip)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 15:37
-	160879	(predetermined pre adj determined) near2 (angle direction)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 15:38
-	8518	(differ differen\$3) with (predetermined pre adj determined) near2 (angle direction)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 15:38
-	44	((differ differen\$3) with (predetermined pre adj determined) near2 (angle direction)) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 15:39
-	26	"bernardi, robert".in. "burson, steven".in. "gollbach, lawrence".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/06 15:47
-	1	"4354059".PN.	USPAT	2004/06/07 11:42
-	16	4354059.URPN.	USPAT	2004/06/07 11:42
-	4	("4414433" "4703506" "5027393" "5075687").PN.	USPAT	2004/06/07 11:50
-	15	5384843.URPN.	USPAT	2004/06/07 11:51
-	6	("4953217" "5182774" "5251263" "5384843" "5473702" "5481615").PN.	USPAT	2004/06/07 11:53
-	13	("4112430" "4333170" "4653102" "4912767" "4918732" "4932063" "5208864" "5212764" "5214707" "5293450" "5319736" "5390280" "5400409").PN.	USPAT	2004/06/07 12:33
-	3	("5033082" "5131047" "5251263").PN.	USPAT	2004/06/07 12:36
-	24	4741038.URPN.	USPAT	2004/06/07 12:47
-	2	5384843.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 12:59
-	35736	handset hand adj set	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 13:03
-	232480	directional	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 13:03
-	2300	(handset hand adj set) and directional	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 13:03
-	22	("4672674" "4908855" "4912767" "5121426" "5131047" "5148471" "5201006" "5239578" "5251263" "5319736" "5323458" "5335276" "5343521" "5381473" "5406622" "5444786" "5452361" "5471538" "5473702" "5481615" "5493616" "5526421").PN.	USPAT	2004/06/07 13:05
-	6	4777649.URPN.	USPAT	2004/06/07 13:23
-	6	("3480912" "4158750" "4357491" "4445229" "4662847" "4700392").PN.	USPAT	2004/06/07 13:24

Search History 6/27/04 5:23:50 PM Page 14

-	3	4445229.URPN.	USPAT	2004/06/07 13:25
-	8	("3116365" "3495908" "3532815" "3544715" "3567848" "3755623" "3970792" "4139734").PN.	USPAT	2004/06/07 13:26
-	1	"4354059".PN.	USPAT	2004/06/07 15:43
-	21695	omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 15:50
-	237897	(adjust\$3 vary\$3 shift\$4) with phase	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 15:50
-	285631	(adjust\$3 vary\$3 shift\$4) with (phase delay)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 15:51
-	180	(omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) and ((adjust\$3 vary\$3 shift\$4) with (phase delay)) and (handset hand adj set)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 15:54
-	116063	microphone input near2 transducer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 15:54
-	51	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) and ((adjust\$3 vary\$3 shift\$4) with (phase delay)) and (handset hand adj set)) and (microphone input near2 transducer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 16:14
-	26	381/92.ccls. and 381/94.7.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 16:19
-	108	381/94.7.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 16:19
-	23	381/94.7.ccls. and (omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 16:33
-	3	("4769847" "5233667" "5243661").PN.	USPAT	2004/06/07 16:21
-	3	("4769847" "5233667" "5243661").PN.	USPAT	2004/06/07 16:22
-	4	5563954.URPN.	USPAT	2004/06/07 16:22
-	7	("3057960" "3109066" "5511128" "5586191" "5978490" "6005953" "6272229").PN.	USPAT	2004/06/07 16:26
-	423	"masuda, hiroyuki".ln.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 16:34
-	23	"masuda, hiroyuki".ln. and telephone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 16:37
-	1383	adapt\$3 near delay	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 16:37
-	4601	adapt\$3 near3 delay	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 16:37

-	59	(adapt\$3 near\$3 delay) and (omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) and ((adjust\$3 vary\$3 shift\$4) with (phase delay))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 16:37
-	16	(adapt\$3 near\$3 delay) and (omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) and ((adjust\$3 vary\$3 shift\$4) with (phase delay)) and (microphone input near2 transducer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 16:40
-	0	5757933.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 16:40
-	2	5757933.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 17:13
-	10	"andrea, douglas".in. and "topf, martin".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 18:07
-	4	("4414433" "4703506" "5027393" "5075687").PN.	USPAT	2004/06/07 17:53
-	15	5384843.URPN.	USPAT	2004/06/07 17:53
-	7	3875349.URPN.	USPAT	2004/06/07 18:02
-	1711	(omnidirectional nondirectional) with (directional unidirectional)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 18:08
-	90	((omnidirectional nondirectional) with (directional unidirectional)) and (handset hand adj set)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 18:12
-	38274	handset hand adj set	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 16:40
-	564367	handset hand adj set telephone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 16:40
-	14951	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) same ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/10 11:20
-	15875	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid) (first second adj order)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 17:01
-	2670	(handset hand adj set telephone) and (((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid) (first second adj order))))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 16:42
-	486	(handset hand adj set telephone) same (((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid) (first second adj order))))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 16:42
-	132	(handset hand adj set telephone) same (((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid) (first second adj order)))) same switch\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 16:42

Search History 6/27/04 5:23:50 PM Page 16

-	47	("3755625" "3906431" "4070547" "4072821" "4096353" "4131760" "4198705" "4237339" "4254417" "4305141" "4308425" "4334740" "4399327" "4410770" "4414433" "4436966" "4449238" "4466117" "4485484" "4489442" "4521908" "4559642" "4653102" "4658425" "4669108" "4696043" "4703506" "4712231" "4712244" "4741038" "4752961" "4815132" "4860366" "4903247" "5058170" "5121426" "5214709" "5226087" "5243660" "5463694" "5483599" "5500903" "5506908" "5561737" "5664021" "5703957" "5737431").PN.	USPAT	2004/06/08 16:46
-	6	5483599.URPN.	USPAT	2004/06/08 16:48
-	9	("5483599" "5515445" "5524056" "5627799" "5757933" "5917921" "5978490" "6002776" "6101258").PN.	USPAT	2004/06/08 16:49
-	3	("3542954" "4653102" "5226087").PN.	USPAT	2004/06/08 16:51
-	19	("3571514" "3770911" "3798390" "3836732" "3875349" "3946168" "3975599" "4051330" "4142072" "4456795" "4622440" "4712244" "4723293" "4751738" "5029215" "5214709" "5226087" "5289544" "5524056").PN.	USPAT	2004/06/08 16:57
-	120	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid) (first second) adj order)) and 381/92.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 17:02
-	2597	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid) (first second) adj order)) and telephone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 19:17
-	140	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid) (first second) adj order)) and telephone and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 17:16
-	1	3794766.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 17:05
-	21	4131760.URPN.	USPAT	2004/06/08 17:06
-	57	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same ((uni adj direction\$4 unidirection\$4) (cardiod cardioid) (first second) adj order)) and telephone and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 19:17
-	2	("3876843" "4142072").PN.	USPAT	2004/06/08 17:30
-	2	5933510.URPN.	USPAT	2004/06/08 17:30
-	13	("2950357" "3770911" "3835263" "3875349" "3983336" "4073366" "4393270" "4399327" "4703506" "5058171" "5121426" "5131046" "5214709").PN.	USPAT	2004/06/08 17:33
-	3	("4334740" "4653102" "4888807").PN.	USPAT	2004/06/08 17:36
-	15	("4042779" "4072821" "4258235" "4308425" "4334740" "4354059" "4412097" "4485484" "4491697" "4521908" "4559642" "4653102" "4675906" "4703506" "4757545").PN.	USPAT	2004/06/08 17:38
-	11	4888807.URPN.	USPAT	2004/06/08 17:41
-	9	("4195360" "4215241" "4412097" "4536887" "4559642" "4589137" "4653102" "4696043" "4888807").PN.	USPAT	2004/06/08 18:13
-	0	791418.pn,	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 18:14

-	2	791418.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 18:15
-	10	"791418"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 18:15
-	378	381/92.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 18:21
-	13	2336880.pn. 2516776.pn. 2535681.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 18:21
-	17	2336880.pn. 2516776.pn. 2535681.pn. 2632101.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 18:22
-	10	5757933.URPN.	USPAT	2004/06/08 18:48
-	7	("4370523" "4589137" "4741038" "4802227" "4888807" "5033082" "5243661").PN.	USPAT	2004/06/08 18:57
-	5651	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same ((uni adj direction\$4 unidirection\$4 (direction\$4 not non adj direction\$4 not omni adj direction\$4)) (cardiod cardioid) (first second) adj order))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 19:02
-	15875	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same (uni adj direction\$4 unidirection\$4 (direction\$4) (cardiod cardioid) (first second) adj order))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 19:03
-	1627	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same (uni adj direction\$4 unidirection\$4 (cardiod cardioid) (first second) adj order))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 19:04
-	342	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same (uni adj direction\$4 unidirection\$4 (cardiod cardioid) (first second) adj order)) same (above greater)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 19:04
-	86	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same (uni adj direction\$4 unidirection\$4 (cardiod cardioid) (first second) adj order)) same (above greater) same (less lesser below)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 19:04
-	15	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same (uni adj direction\$4 unidirection\$4 (cardiod cardioid) (first second) adj order)) same (above greater) same (less lesser below)) and (microphone input adj transducer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 19:13
-	13	("2950357" "3770911" "3835263" "3875349" "3983336" "4073366" "4393270" "4399327" "4703506" "5058171" "5121426" "5131046" "5214709").PN.	USPAT	2004/06/08 19:08
-	94	381/122.ccls. and (direction angle)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 19:14
-	89	381/122.ccls. and (direction angle) and (two pair second reference)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 19:17

-	1627	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) same ((uni adj direction\$4 unidirection\$4) (cardiod cardioid) (first second) adj order))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 19:17
-	19837	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) and ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid) (first second) adj order))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 19:18
-	32	(381/122.ccls. and (direction angle) and (two pair second reference)) and (((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth adj order) and ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid) (first second) adj order)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 19:18
-	27	4489442.URPN.	USPAT	2004/06/08 19:19
-	1	"4354059".PN.	USPAT	2004/06/08 19:27
-	5	("5058170" "5193117" "5226087" "5524059" "5729507").PN.	USPAT	2004/06/08 19:28
-	2	("2324548" "4305141").PN.	USPAT	2004/06/08 19:28
-	24	381/358.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/10 10:09
-	159	381/356.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/10 10:39
-	6	2301744.URPN.	USPAT	2004/06/10 10:17
-	21	("3213372" "3437758" "3496481" "3588360" "3601530" "3751602" "3755625" "3814856" "3818139" "3944736" "3947639" "3958084" "3979563" "3992584" "4006310" "4090032" "4099025" "4149032" "4198705" "4215241" "4359602").PN.	USPAT	2004/06/10 10:32
-	46	"3409738" "3437758" "3448217" "3497622"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/10 10:40
-	12	3409738.pn. 3437758.pn. 3448217.pn. 3497622.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/10 11:10
-	3	("2457199" "2994081" "4114157").PN.	USPAT	2004/06/10 10:50
-	94	381/56.ccls. and (direction angle)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/10 11:11
-	116593	microphone\$3 input near2 transduc\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/10 11:11
-	56	(381/56.ccls. and (direction angle)) and (microphone\$3 input near2 transduc\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/10 11:17
-	151	381/313.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/10 11:19
-	14966	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) same ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/10 11:22

-	518	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) same ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid))) same automatic\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/10 11:22
-	26	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) same ((uni adj direction\$4 unidirection\$4) (cardiod cardioid))) same automatic\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/10 11:22
-	3	5625684.URPN.	USPAT	2004/06/10 11:37
-	22	("4672674" "4908855" "4912767" "5121426" "5131047" "5148471" "5201006" "5239578" "5251263" "5319736" "5323458" "5335276" "5343521" "5381473" "5406622" "5444786" "5452361" "5471538" "5473702" "5481615" "5493616" "5526421").PN.	USPAT	2004/06/10 11:37
-	9	("4153815" "4473906" "4610024" "4631749" "4654871" "4739513" "4977600" "5105377" "5182774").PN.	USPAT	2004/06/10 12:02
-	1	"6272229".PN.	USPAT	2004/06/10 12:06
-	9	("5483599" "5515445" "5524056" "5627799" "5757933" "5917921" "5978490" "6002776" "6101258").PN.	USPAT	2004/06/10 12:06
-	4	("2950357" "3983336" "4073366" "5214709").PN.	USPAT	2004/06/10 12:08
-	4	("2678967" "4354059" "4757545" "5029215").PN.	USPAT	2004/06/10 12:08
-	4	("4536887" "4802227" "5473701" "5475761").PN.	USPAT	2004/06/10 12:42
-	5	("4228531" "4485484" "4536887" "4559642" "4581758").PN.	USPAT	2004/06/10 12:47
-	15	5473702.URPN.	USPAT	2004/06/10 12:55
-	0	6320968.URPN.	USPAT	2004/06/10 13:01
-	24	("4153815" "4604501" "4672674" "4736432" "4878188" "4901354" "4932063" "5033082" "5046103" "5054078" "5117461" "5138664" "5204909" "5293578" "5381473" "5398286" "5412735" "5416844" "5455779" "5473702" "5652799" "5835608" "5917921" "5953380").PN.	USPAT	2004/06/10 13:01
-	4	2237298.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/10 13:08
-	15	("4042779" "4072821" "4258235" "4308425" "4334740" "4354059" "4412097" "4485484" "4491697" "4521908" "4559642" "4653102" "4675906" "4703506" "4757545").PN.	USPAT	2004/06/10 13:46
-	16	4354059.URPN.	USPAT	2004/06/10 13:50
-	7	3875349.URPN.	USPAT	2004/06/10 13:57
-	2	5825897.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/15 11:48
-	5	("3951248" "4558178" "5210791" "5359647" "5422947").PN.	USPAT	2004/06/16 10:38
-	11	accessor\$3 with tone adj generat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/16 10:53

-	7	accessor\$3 with tone adj generat\$3 and telephon\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/16 10:56
-	22	accessor\$3 with ringer and telephon\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/16 10:56
-	14	("Re31398" "3467788" "3864532" "4157459" "4251807" "4278851" "4409588" "4413253" "4574272" "4602245" "4604606" "4728933" "4823110" "4845748").PN.	USPAT	2004/06/16 11:01
-	2	5490219.URPN.	USPAT	2004/06/16 11:07
-	5	("3940575" "3992584" "4489442" "4567608" "4817168").PN.	USPAT	2004/06/16 11:11
-	4	("4536887" "4802227" "5473701" "5475761").PN.	USPAT	2004/06/23 11:57